



Philips Multigroom Razor Battery Replacement

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 **TOOLS:**

- [iSesamo Opening Tool](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [iFixit Opening Picks \(Set of 6\)](#) (1)
 - [Soldering Workstation](#) (1)
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Step 1 — Battery



- Unclip the razor head.

Step 2



- Unclip the black cover, using a slim tool like an iSesamo or with some guitar picks. Insert the tool alongside the gap between the two pieces.

Step 3



- Remove the black back cover

Step 4



- Unclip the keypad from the bottom.
- Unclip the 2 black hooks, in order to remove the upper cover.

Step 5



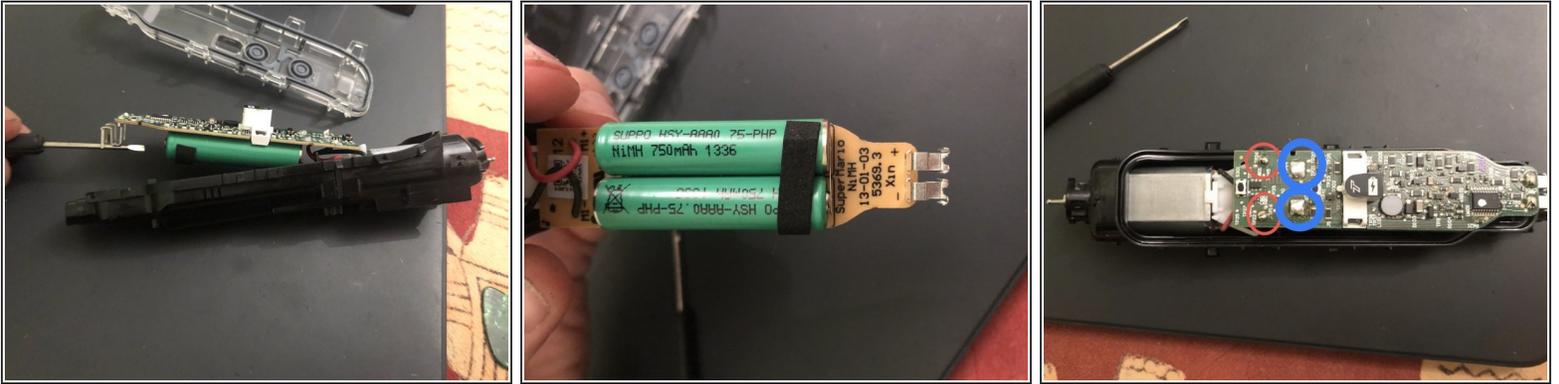
- Unclip 8 grey clips (4+4 right and left).
- Remove the grey cover

Step 6



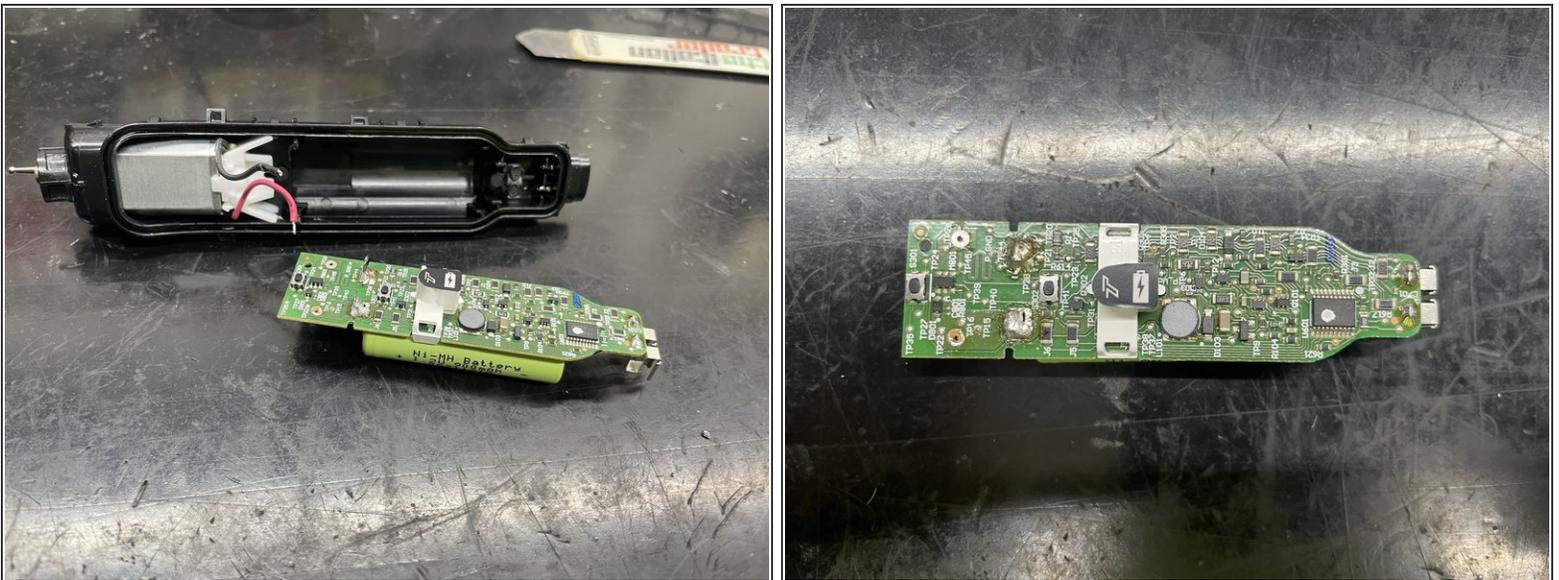
- Unclip the eight clear hooks from the hermetic waterproof cover (4+4 right and left).

Step 7



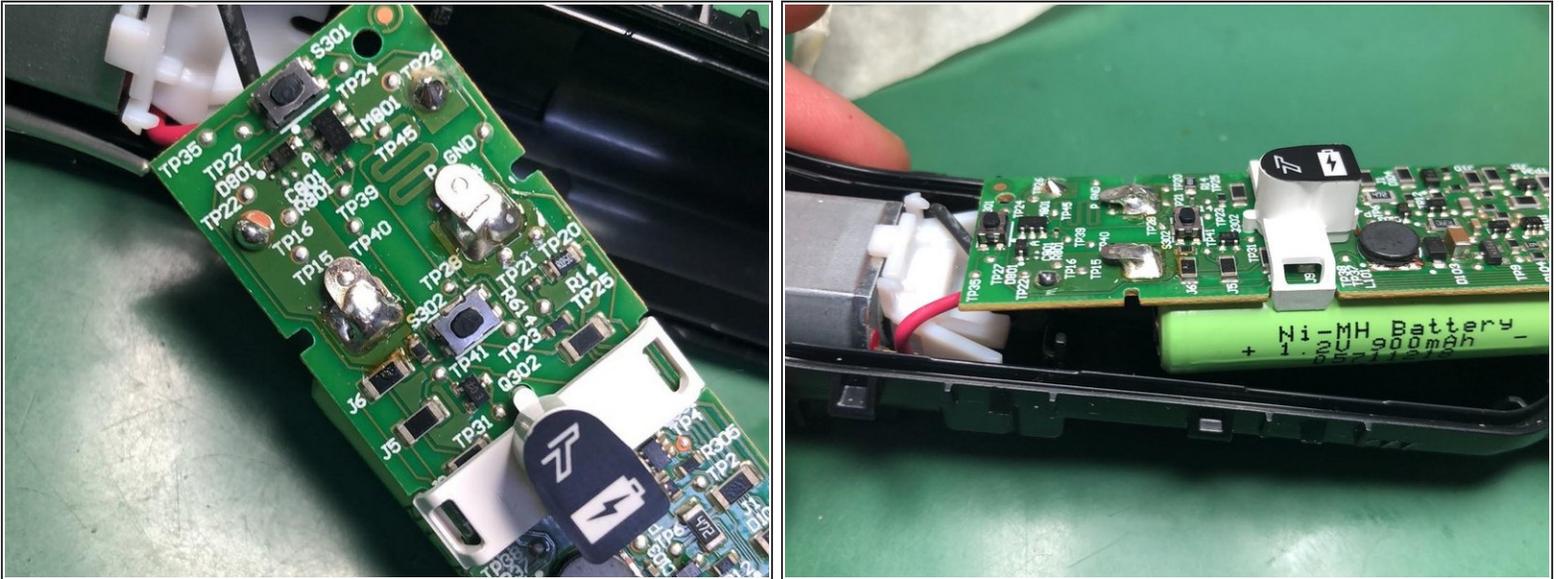
- Lift up the logic board.
- You need to get batteries with the same specifications written on them, (I used 900 mAh batteries for a greater battery life)
- Unsolder the two solder joints marked in blue, to remove the batteries
- Optionally to get the job done easily you can desolder the solder joint circled in Red to separate the logic board from the motor

Step 8



- Optionally you can desolder the solder joints circled in Red to separate the logic board from the motor, by doing so you can work in a more comfortable way while replacing the batteries

Step 9



- I bought single battery and I soldered them in the same position as the previous pack.
- You can also find the original batteries already soldered, and you would just need to solder them to the logic board.

To reassemble the device, follow the instructions in reverse order.